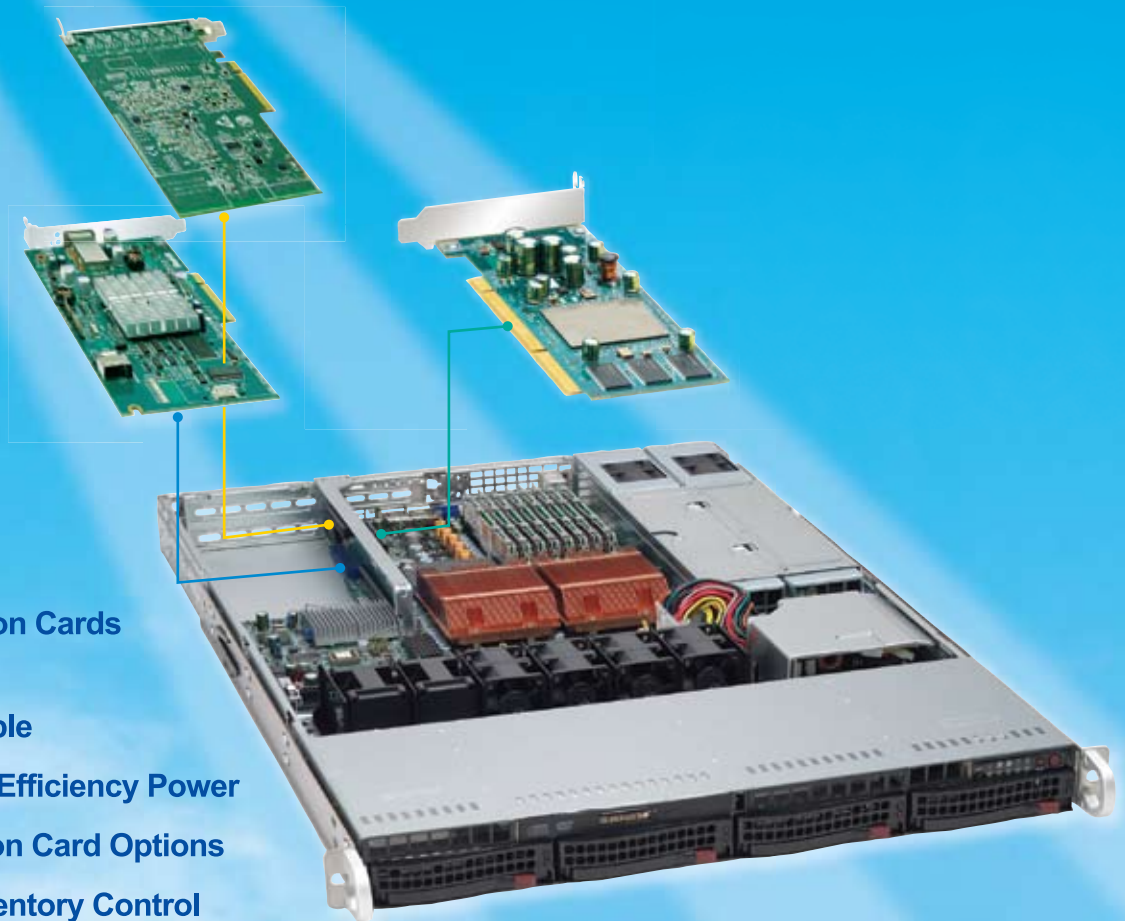


SUPERMICRO[®]

UIO

Universal I/O

Maximized I/O Expandability & Flexibility



- Up to 3 or 7 Add-on Cards for 1U or 2U
- Highly Upgradeable
- Up to 90%+ High Efficiency Power
- Multiple Expansion Card Options
- Simplify Your Inventory Control

More than 20 choices: SAS RAID, 10GbE, InfiniBand, UIO Cards ...

Giving you the freedom to build exactly what you need!



The UIO (Universal I/O) Solution

What is UIO?

Supermicro's **Universal I/O** technology allows users to select from a wide range of I/O options to provide the ultimate flexibility in storage and networking. When a Supermicro UIO card is installed in a UIO slot, it becomes a part of the server-board, while still allowing the server to retain all of its PCI-Express and PCI-X slots for expansion cards.

Without a Supermicro UIO card installed, the server functions as a complete and optimized server. Installing a UIO card provides easy and cost effective upgrades for:

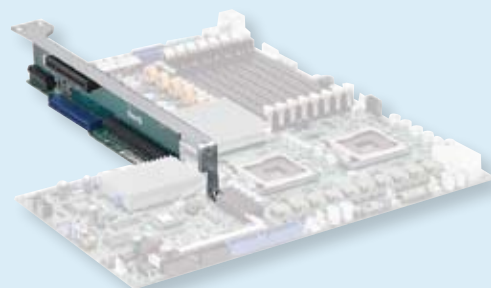
- **SAS/SATA RAID 5**
- **4-Port 1 Gbit Ethernet**
- **2-Port 10 Gbit Ethernet**
- **Infiniband™**

Future upgrades are easy – just replace the Supermicro UIO card with any one of the multiple expansion cards available. Supermicro UIO cards minimize the complexity of your server configurations, provide cost advantages over standard expansion cards, and protect your server investment.

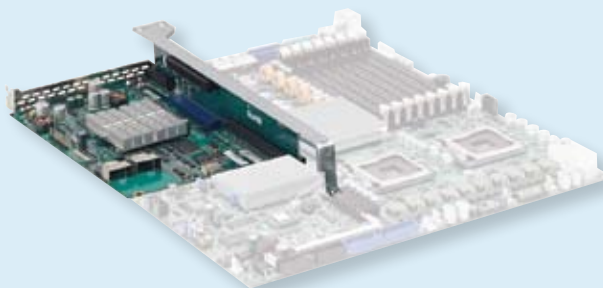
UIO Advantages

- ✓ **Supports up to 3 add-on cards in 1U and 7 add-on cards in 2U**
- ✓ **Multiple card options for the latest in storage and networking technologies**
- ✓ **Easy and cost-effective upgrades to servers that support UIO technology**
- ✓ **Simplifies inventory control and server configurations**

Easy As 1, 2, 3 . . .



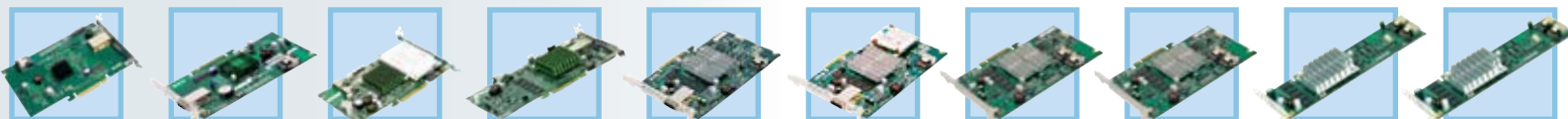
- 1** Choose a UIO card to insert in the UIO slot indicated in Blue



- 2** Install the UIO card in the UIO slot



- 3** As needed, install 2 other expansion cards in 1U servers or up to 6 additional cards in 2U



Supermicro UIO Servers in combination with riser cards and a UIO card, can provide numerous server configurations to accommodate the needs of your application. Our various riser cards for 1U and 2U chassis allow you to customize Supermicro UIO solutions that meet your storage and networking requirements. With the Supermicro UIO solution, you can customize high-performance, high density and fault tolerant storage solutions with Supermicro UIO SAS RAID card products. Leveraging a variety of UIO Gigabit Ethernet Adapters, the UIO system improves network throughput as well as application performance. All Supermicro UIO solutions can be utilized without occupying existing PCI slots, leaving those slots free for additional expansion cards.

Riser Cards

(RSC-R2UU-UA3E8 shown here)



Supermicro riser cards allow you to extend the onboard slot(s) into a variety of expansion PCI slots, depending on your application needs. The UIO (blue) slot on the riser card is for the UIO card.

SAS UIO Cards

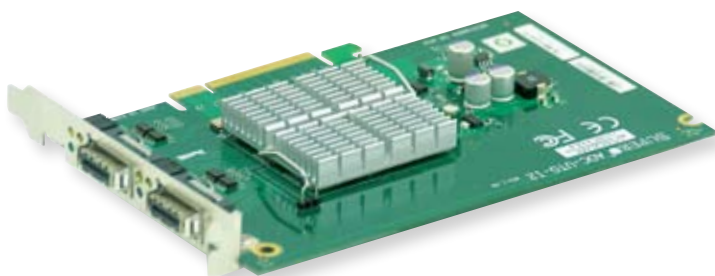
(AOC-USASLP-S8i shown here)



The Supermicro UIO SAS RAID card product line addresses the need for both internal and external storage configurations with flexible solutions to meet the complex demands of today's ever-increasing storage requirements. Compared to the regular SAS controller adapter, the Supermicro UIO card offers high-performance, yet is the most cost-effective solution, which seamlessly works with Supermicro UIO motherboards.

Networking Cards

(AOC-UTG-i2 shown here)



Supermicro Ethernet adapters help you maximize I/O bandwidth and ensure priority performance on each port without bus-sharing. They can significantly improve the I/O throughput of your database server, appliance server, and storage platform. With the advance off-loading technology, overall server performance can be dramatically scaled.



MODEL	X7DWN+	X7DWA-N	PDSMU
Processor	Quad-core Intel® Xeon® 5400/5300LV/5200/5100LV Sequence (LGA771)	Quad-core Intel® Xeon® 5400/5300LV/5200/5100LV Sequence (LGA771)	Quad-core 3200, Dual-core Xeon® 3000, Pentium D, Pentium 4 up to 3.80GHz, Celeron D up to 3.06GHz
Chipset/ System Bus	Intel® 5400 1600/1333/1066MHz FSB	Intel® 5400 1600/1333/1066MHz	Intel® 3010 1066/800/533MHz
Form Factor	Proprietary 13.68" x 13"	Ext. ATX 12" x 13"	Proprietary 8" x 13"
Optimized Chassis	2U: SC825TQ-R700LP 4U: SC745TQ-R800	4U: SC743TQ-865B SC743T-645	Mini 1U: SC515-280UB 1U: SC815TQ-R450U/560U SC812L-520U/280U 2U: SC825TQ-R700U, SC825MTQ-R700U SC823MTQ-R700U
Memory Capacity & Slots	128GB of Fully-Buffered DIMM (FBD) DDRII 800/667/533 in 16 DIMMs	64GB ECC Fully-Buffered DIMM (FBD) DDRII 800/667/533 in 8 DIMMs	8GB ECC, non-ECC Unb. DDRII 667/533 in 4 DIMMs
Expansion Slots	1 Universal I/O (UIO) slot 3 PCI-E x8 (2 w/Gen 2.0) 1 PCI-E x4 in x8 slot 2 PCI-X 133/100MHz	1 Universal I/O (UIO) slot 2 PCI 2 PCI-E x16 (Gen 2.0) 2 PCI-X 133/100MHz	Left slot: 1 Universal I/O (UIO) slot & 1 PCI-E x8 via riser card Right slot: 1 PCI-E x4
Onboard SATA RAID	Intel® ESB2 for 6 SATA (3Gbps) RAID 0, 1, 5, 1	Intel® ESB2 for 6 SATA (3Gbps) RAID 0, 1, 5, 10	Intel® ICH7R for 4 SATA (3 Gbps) RAID 0, 1, 5, 10
Onboard LAN	Dual LAN w/ Intel® 82575EB Gigabit Ethernet w/ IOAT	Dual LAN w/ Intel® 82575EB Gigabit Ethernet w/ IOAT	Intel® 82573V Gigabit Ethernet Intel® 82573L Gigabit Ethernet
Onboard VGA	ATI ES1000 32MB PCI graphics controller	N/A	ATI ES1000 16MB PCI graphics controller
Built-in EIDE USB ports	ATA100 up to 5 USB 2.0 ports	ATA100 Up to 5 USB 2.0 ports	ATA100 Up to 6 USB 2.0 ports
Other Onboard I/O Devices	1 floppy port 2 fast UART 16550 serial - PS/2 mouse and keyboard conn.	1 floppy port 2 fast UART 16550 serial - PS/2 mouse and keyboard conn. - Dual Port 1394 7.1 HD Audio	1 floppy port 2 fast UART 16550 serial - PS/2 mouse and keyboard conn.
Manageability	SIMSO socket (IPMI 2.0)* Watch Dog, SuperDoctor® III	SIMSO socket (IPMI 2.0)* Watch Dog, SuperDoctor® III	SIMSO socket (IPMI 2.0)* Watch Dog, SuperDoctor® III
PC Health Monitoring	Monitors CPU voltages, +3.3V, +5V, +12V, -12V, +5V standby and 8 fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V, +5V standby and 8 fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +1.5V, +1.8V, +3.3V, +5V, +12V, -12V, VBAT, VFSB & +5V standby and 6 fan status, supports system management utility, chassis intrusion header
Thermal Control	4-pin PWM & 3-pin fan speed control & overheat LED	4-pin PWM & 3-pin fan speed control & overheat LED	4-pin PWM & 3-pin fan speed control & overheat LED
Other Features	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC support, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC support, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, TM2 & CPU thermal trip support for processor protection
BIOS	Phoenix 8Mb Flash ROM	Phoenix 8Mb Flash ROM	Phoenix 8Mb Flash ROM

*For the most current product information, visit: <http://www.supermicro.com/products/accessories/addon/SIM.cfm>



SC812L Series

- 3 internal drive bays
- Cost-effective design
- High density slim 1U rackmount
- 520W high-efficiency power supply
- 280W high-efficiency power supply
- Supports 2FH/FL+1LP expansion cards



SC815U Series

- 4 hot-swap drive bays
- High density slim 1U rackmount
- 560W power supply
- 650W/450W redundant power supply available
- High-efficiency power



SC825U Series

- 8 hot-swap drive bays
- Supports 4FH/FL+3LP expansion cards with UIO
- Redundant 700W power supply with I²C management
- High-efficiency power



SC743 Series

- 8 hot-swap drive bays
- 6 hot-swap fans for 100% cooling redundancy
- 7 Tool-less expansion slots
- 90-degree rotatable drive bay module
- 865/645W power supply
- 4U/Tower x 25.5"



SC745 Series

- 8 hot-swap drive bays
- Tower/4U rackmount server chassis
- 7 Tool-less expansion slots.
- 90-degree rotatable drive bay module
- 100% cooling redundancy
- Redundant 800W power supply with I²C management
- High Efficiency Power

MODEL	X7DWN+	X7DWA-N	PDSMU	Fan Setting
Mini 1U SC515 series			SC515-280U • Low-cost front-side access solution • 1 x 3.5" or 2 x 2.5" internal drive bays • 280W high-efficiency power • Passive heatsink: SNK-P0026* • Riser card: Left slot: RSC-R1UU-2E8* Right slot: RSC-R1UU-E8R+* • Air shroud: MCP-310-51501-0B	
1U SC812 Series			SC812L-280U/520U • 3 fixed drive bays • 280W/520W high-efficiency power supply • Passive heatsink: SNK-P0016P* • Riser card: Left: RSC-R1UU-2E8* Right: RSC-R1UU-UE8*	3-pin Server
1U SC815 Series			SC815TQ-R450U/560U • 4 hot-swap drive bays • High-efficiency power supply • 450W redundant/560W power supply • Passive heatsink: SNK-P0016P* • Riser card: Left: RSC-R1UU-2E8* Right: RSC-R1UU-UE8*	3-pin Server
2U SC823MTQ Series			SC823MTQ-R700U • 3 hot-swap drive bays • High-efficiency power supply • 700W redundant w/ I²C management • Active heatsink: SNK-P0016P* • Riser card: Left: RSC-R2UU-UA3E8* Right: RSC-R2UU-UAX*	3-pin Server
2U SC825MTQ Series			SC825MTQ-R700U • 3 hot-swap drive bays • High-efficiency power supply • 700W redundant w/ I²C management • Active heatsink: SNK-P0016P* • Riser card: Left: RSC-R2UU-UA3E8* Right: RSC-R2UU-UAX*	3-pin Server
2U SC825 Series	SC825TQ-R700LP • 8 hot-swap drive bays • High-efficiency power supply • 700W redundant • Air shroud MCP-310-82502-ON* • Passive heatsink: SNK-P0025P*		SC825TQ-R700U • 8 hot-swap drive bays • High-efficiency power supply • 700W redundant w/ I²C management • Active heatsink: SNK-P0015A4* • Riser card: Left: RSC-R2UU-UA3E8* Right: RSC-R2UU-UAX*	3-pin Server
4U/Tower SC743 Series		SC743TQ-865B/SC743T-645 • 8 hot-swap drive bays • 865W/645W power supply • Power supply w/low-noise control • Passive heatsink: SNK-P0025P* • Exhaust fan: FAN-0091L*		4-pin PWM Workstation
4U/Tower SC745 Series	SC745TQ-R800 • 100% cooling redundancy • 8 hot-swap drive bays • High-efficiency power supply • 800W redundant w/ I²C management • Passive heatsink: SNK-P0025P*			3-pin Server

* Sold separately



MODEL	X7DBN	X7DBU	X7DAL-E+ / X7DAL-E
Processor	Quad-core/Dual-core Xeon® 5400/5300/5200/5100/5000 Sequence (LGA771)	Quad-core/Dual-core Xeon® 5400/5300/5200/5100/5000 Sequence (LGA771)	Quad-Core/Dual-Core Xeon® 5400/5300/5200/5100/5000 Sequence (LGA771)
Chipset/ System Bus	Intel® 5000P 1333/1066/667MHz	Intel® 5000P 1333/1066/667MHz	Intel® 5000X 1333/1066/667MHz
Form Factor	Ext. ATX 12" x 13"	Ext. ATX 12" x 13"	ATX 12" x 10"
Optimized Chassis	2U: SC825TQ-R700LPV/R700RCV SC823TQ-R550LP*/R500LP* SC823I-550LP* 3U: SC836TQ-R800B SC835TQ-R800B SC936A/E1/E2-R900B 4U/Tower: SC743TQ-R760 SC745TQ-R800/800 SC743I-R760/650 SC743I-R760/650	1U: SC815TQ-R650U SC815TQ-560U SC812L-520U 2U: SC825TQ-R700U SC825MTQ-R700U SC823MTQ-R700U	4U/Tower: SC743T-645 SC743I-645 SC742T-650 Mid-tower: SC733TQ-645 SC733T-645 SC733I-645 SC733TQ-465 SC733E-465
Memory Capacity & Slots	32GB ECC Fully-Buffered DIMM (FBD) DDRII 667/533 in 8 DIMMs	32GB ECC Fully-Buffered DIMM (FBD) DDRII 667/533 in 8 DIMMs	24GB ECC Fully-Buffered DIMM (FBD) DDRII 667/533 in 6 DIMMs
Expansion Slots	1 Universal I/O (UIO) slot 2 PCI-E x8 1 PCI-E x4 (in x8 slot) 2 PCI-X 133/100 1 PCI	1U Right slot: 1 Universal PCI-X 133 or PCI-E x8 1U Left slot: 1 Universal I/O (UIO) slot & 1 PCI-E x8 via riser card or 2 PCI-E x8 via riser card 2U solution: <i>Refer to Riser Cards pages (p16-17)</i>	1 Universal I/O (UIO) slot 1 PCI-E x16 1 PCI-E x4 (in x16 slot) 2 PCI-X 133MHz 2 PCI 33MHz
Onboard SATA RAID	Intel® ESB2 for 6 SATA (3Gbps) RAID 0, 1, 5, 10	Intel® ESB2 for 6 SATA (3Gbps) RAID 0, 1, 5, 10	Intel® ESB2 for 6 SATA(3 Gbps); RAID 0, 1, 5, 10
Onboard LAN	Dual LAN w/ Intel® 82563EB Gigabit Ethernet w/ IOAT	Dual LAN w/ Intel® 82563EB Gigabit Ethernet w/ IOAT	Dual LAN w/ Intel® 82563EB Gigabit Ethernet w/ IOAT
Onboard VGA	ATI ES1000 16MB PCI graphics controller	ATI ES1000 16MB PCI graphics controller	N/A
Built-in EIDE USB ports	ATA100 up to 5 USB 2.0 ports	ATA100 up to 5 USB 2.0 ports	ATA100 up to 6 USB 2.0 ports
Other Onboard I/O Devices	1 floppy port 2 fast UART 16550 serial 1 ECP/EPP parallel port - PS/2 mouse and keyboard conn.	1 floppy port 2 fast UART 16550 serial - PS/2 mouse and keyboard conn.	1 floppy port 2 fast UART 16550 serial 1 ECP/EPP parallel header - PS/2 mouse and keyboard conn. 7.1 HD audio (X7DAL-E+ only) - AC'97 audio CODEC high quality 6-channel sound (X7DAL-E only)
Manageability	SIMSO socket (IPMI 2.0)* Watch Dog, SuperDoctor® III	SIMSO socket (IPMI 2.0)* Watch Dog, SuperDoctor® III	Watch Dog, SuperDoctor® III
PC Health Monitoring	Monitors CPU voltages, +3.3V, +5V, +12V, -12V, +5V standby and 8 fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V, +5V standby and 8 fan status, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V, -12V, +5V standby and 6 fan status, supports system management utility, chassis intrusion header
Thermal Control	4-pin PWM & 3-pin fan speed control & overheat LED	4-pin PWM & 3-pin fan speed control & overheat LED	4-pin PWM & 3-pin fan speed control & overheat LED
Other Features	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC support, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC support, TM2 & CPU thermal trip support for processor protection	ACPI power management, internal/external modem ring-on, WOL, control of power-on mode for recovery from AC power loss, SDDC support, STR, TM2 & CPU thermal trip support for processor protection
BIOS	Phoenix 8Mb Flash ROM	Phoenix 8Mb Flash ROM	Phoenix 8Mb Flash ROM

* For the most current product information, visit: <http://www.supermicro.com/products/accessories/addon/SIM.cfm>

* Supports less than 100W CPU

MODEL	X7DBU	X7DBN	X7DAL-E+/X7DAL-E	Fan Setting
1U SC812 Series	SC812L-520U • 3 fixed drive bays • 520W high-efficiency power supply • Passive heatsink: SNK-P0017 • Riser card: Left: RSC-R1UU-UE8 RSC-R1UU-2E8 Right: RSC-R1UU-XR RSC-R1UU-E8R			3-pin Server
1U SC815 Series	SC815TQ-R650U/560U • 4 hot-swap drive bays • High-efficiency power supply • 650W redundant/560W power supply • Passive heatsink: SNK-P0017 • Riser card: Left: RSC-R1UU-UE8 RSC-R1UU-2E8 Right: RSC-R1UU-XR RSC-R1UU-E8R			3-pin Server
2U SC825 Series	SC825TQ-R700U • 8 hot-swap drive bays • High-efficiency power supply • 700W redundant w/ IFC management • Passive heatsink: SNK-P0025P • Riser card: Left: RSC-R2UU-UA3E8 RSC-R2UU-UAX Right: RSC-R2UU-X2E4R	SC825TQ-R700LPV/R700RCV SC825TQ-560LPV/560RCV • 8 hot-swap drive bays • High-efficiency power supply • 700W redundant/560W power supply • Passive heatsink: SNK-P0025P • Riser card: CSE-RR2UE-AX / RSC-R2UE-A3E8 (for SC825TQ-R700RCV/560RCV)		3-pin Server
2U SC825M Series	SC825MTQ-R700U • 3 hot-swap drive bays • High-efficiency power supply • 700W redundant w/ IFC management • Passive heatsink: SNK-P0017 • Riser card: Left: RSC-R2UU-UA3E8 RSC-R2UU-UAX Right: RSC-R2UU-X2E4R			3-pin Server
2U SC823 Series		SC823TQ-R550LP*/R500LP† SC823T-550LP*/R500RC† SC823i-550LP† • 6 hot-swap drive bays • 550W/500W redundant power supply • Passive heatsink: SNK-P0025P • Riser card: CSE-RR2UE-AX / RSC-R2UE-A3E8 (for SC823TQ/SC823T/SC823i-R500RC)		3-pin Server
2U SC823M Series	SC823MTQ-R700U • 3 hot-swap drive bays • High-efficiency power supply • 700W redundant w/ IFC management • Passive heatsink: SNK-P0017 • Riser card: Left: RSC-R2UU-UA3E8 RSC-R2UU-UAX Right: RSC-R2UU-X2E4R			3-pin Server
3U SC836 Series		SC836TQ-R800B • 100% cooling redundancy • 16 hot-swap drive bays • High-efficiency power supply • 800W redundant power supply w/ I°C • Controller card required for 16 drives • Passive heatsink: SNK-P0025P		3-pin Server
3U SC835 Series		SC835TQ-R800B • 100% cooling redundancy • 8 hot-swap drive bays • 800W redundant power supply w/ I°C • Passive heatsink: SNK-P0025P		3-pin Server
3U SC936 Series		SC936TQ/SC936A/SC936E2/SC936E1-R900B • 100% cooling redundancy • 16 hot-swap drive bays • 900W redundant power supply w/ I°C • Controller card required for 16 drives • Passive heatsink: SNK-P0025P		3-pin Server
4U/Tower SC743 Series		SC743T-R760/650 SC743TQ-R760 SC743i-R760/650 • 100% cooling redundancy • 8 hot-swap drive bays (SC743TQ/SC743T) • 8 fixed drive bays (SC743i) • 760W triple redundant/650W power supply • Passive heatsink: SNK-P0025P	SC743T-645 SC743i-645† • 8 hot-swap drive bays (SC743T) • 8 fixed drive bays (SC743i) • 645W low-noise power supply • Active heatsink: SNK-P0020A4 • Exhaust fan FAN-0091L required	3-pin Server or 4-pin PWM Workstation
4U/Tower SC745 Series		SC745TQ-R800/800 • 100% cooling redundancy • 8 hot-swap drive bays • High-efficiency power supply • 800W redundant/800W power supply w/ I2C management • Passive heatsink: SNK-P0025P		3-pin Server
Mid-Tower SC733			SC733TQ-645/465 SC733T/SC733i-645 SC733E-465 • 4 hot-swap drive bays (SC733T/SC733TQ) • 4 fixed drive bays (SC733i/SC733E) • 645W low-noise power supply • 450W low-noise power supply • Active heatsink: SNK-P0020A4	4-pin Workstation

† Supports less than 100W CPU

* Sold separately



MODEL	H8DMU+	H8SMU
Processor	Quad-Core AMD Opteron™ 2000 Series Processors	Dual-Core AMD Opteron™ 1000 Series Processors
Chipset/ System Bus	nVidia® MCP55-Pro	nVidia® MCP55-Pro
Form Factor	Ext. ATX 12.175" x 13.05"	Proprietary 7.89" x 13.05"
Optimized Chassis	1U: SC812L-520U SC815TQ-560U SC815TQ-R650U 2U: SC823MTQ-R700U SC825MTQ-R700U SC825TQ-R700U	Mini 1U: SC515-280UB 1U: SC812L-280/520U SC815TQ-R450U
Memory Capacity & Slots	64GB ECC Registered DDR2 667/533/400 SDRAM in 16 DIMMs	8GB ECC/non-ECC Unbuffered DDR2 800/667/533 SDRAM in 4 DIMMs
Expansion Slots	1U Left Slot: 1 Universal I/O (UIO) slot & 1 PCI-E x8 via riser card or 2 PCI-E x8 via riser card 2U Solution: <i>Refer to Riser Cards pages (p16-17)</i>	1U Left Slot: 1 Universal I/O (UIO) slot & 1 PCI-E x8 via riser card or 2 PCI-E x8 via riser card 1U Right Slot: 1 PCI-E x8
Onboard SATA RAID	nVidia® MCP55-Pro for 6 SATA2 ports, (3 Gbps) RAID 0, 1, 0+1, 5, JBOD	nVidia® MCP55-Pro for 4 SATA2 ports, (3 Gbps) RAID 0, 1, 0+1, 5, JBOD
Onboard LAN	Dual LAN with nVidia® MCP55-Pro Gigabit Ethernet	Dual LAN with nVidia MCP55-Pro Gigabit Ethernet
Onboard VGA	ATI® ES1000 16MB PCI graphics controller	ATI® ES1000 16MB PCI graphics controller
Built-in EIDE USB ports	Single ATA133/100 Up to 6 USB 2.0 ports	Single ATA133/100 Up to 4 USB 2.0 ports
Other Onboard I/O Devices	1 floppy port 2 fast UART 16550 serial ports - PS/2 mouse & keyboard conn.	1 floppy port 2 fast UART 16550 serial ports - PS/2 mouse & keyboard conn.
Manageability	SIMSO slot (IPMI 2.0)* with KVM and virtual media option, Watch Dog, SuperDoctor® III	SIMSO slot (IPMI 2.0)* with KVM and virtual media option, Watch Dog, SuperDoctor® III
PC Health Monitoring	Monitors CPU core voltages, CPU 5-phase-switching voltage regulator, 3.3V, +5V, +12V, -12V, 5V standby, 1.5V, VBAT, HyperTransport technology voltage 1.2V, memory voltage 1.8V, and total of 8-fan status, supports system management utility, mem VTT, MCP55 Vcore, chassis intrusion header	Monitors CPU core voltages, 3.3V, +5V, +12V, 5V standby, VBAT, and total of 5-fan status, supports system management utility, chassis intrusion header
Thermal Control	Fan speed control & overheat LED indication	Fan speed control & overheat LED indication
Other Features	- ACPI power management - Internal/external modem ring-on - WOL - Control of power-on mode for recovery from AC power loss	- ACPI power management - Internal/external modem ring-on - WOL - Control of power-on mode for recovery from AC power loss
BIOS	AMI 8 Mb Flash ROM	AMI 4 Mb Flash ROM

*For the most current product information, visit: <http://www.supermicro.com/products/accessories/addon/SIM.cfm>



SC812L Series

- 3 internal drive bays
- Cost-effective design
- High density slim 1U rackmount
- 520W high-efficiency power supply
- 280W high-efficiency power supply
- Supports 2FH/FL+1LP expansion cards



SC815U Series

- 4 hot-swap drive bays
- High density slim 1U rackmount
- 560W power supply
- 650W/450W redundant power supply available
- High-efficiency power



SC825U Series

- 8 hot-swap drive bays
- Supports 4FH/FL+3LP expansion cards with UIO
- Redundant 700W power supply with I2C management
- High-efficiency power



SC515 Series

- 1 x 3.5" or 2 x 2.5" fixed HDDs (optional)
- 280W high-efficiency power supply
- Supports 2FH expansion cards
- Compact 1U chassis (18" depth)
- Front access I/O



SC823MTQ-R700U

- 3 hot-swap drive bays (rear)
- Supports 4FH+3LP expansion cards
- 700W redundant power supply
- Compact 2U chassis
- Front access I/O



SC825MTQ-R700U

- 3 hot-swap drive bays
- Supports 4FH+3LP expansion cards
- 700W redundant power supply
- Compact 2U chassis
- Front access I/O

MODEL	H8DMU+	H8SMU	Fan Setting
Mini 1U SC515 Series		SC515-280U • Low-cost front-side access solution • 1 x 3.5" or 2 x 2.5" internal drive bays • 280W high-efficiency power • Passive heatsink: SNK-P0026* • Riser cards • Left slot: RSC-R1UU-2E8* • Right slot: RSC-R1UU-E8R+* • Air shroud: MCP-310-51501-0B	3-pin Server
1U SC812 Series	SC812L-520U • Low-cost solution • 3 internal drive bays • 520W high-efficiency power • Passive heatsink: SNK-P0022* • Riser card: Left slot: RSC-R1UU-2E8 • Air shroud: MCP-310-81203-0B*	SC812L-280U/520U • Low-cost solution • 3 internal drive bays • 280/520W high-efficiency power • Passive Heatsink: SNK-P0026* • Riser Cards • Left Slot: RSC-R1UU-2E8* • Right Slot: RSC-R1UU-E8R+* • Air Shroud: MCP-310-81202-0B*	3-pin Server
1U SC815 Series	SC815TQ-560U/R650U • 4 hot-swap drive bays • High-efficiency Power • 560W/650W redundant power supply • Passive heatsink: SNK-P0022* • Riser card: Left Slot: RSC-R1UU-UE8* • Air shroud: MCP-310-0026-01*	SC815TQ-R450U/560U • 4 hot-swap drive bays • 560/450 redundant power supply • Passive heatsink: SNK-P0026* • Riser Cards • Left Slot: RSC-R1UU-UE8* • Right Slot: RSC-R1UU-E8R+* • Air Shroud: MCP-310-0033-01*	3-pin Server
2U SC823MTQ Series	SC823MTQ-R700U • 3 hot-swap drive bays • 700W redundant with I²C management • Passive heatsink: SNK-P0022* • Riser card • Left Slot: RSC-R2UU-UA3E8* • Right Slot: RSC-R2UU-UE8R* • Air shroud: MCP-310-82302-0B*		3-pin Server
2U SC825MTQ Series	SC825MTQ-R700U • 3 hot-swap drive bays • 700W redundant with I²C management • Passive heatsink: SNK-P0022* • Riser card • Left Slot: RSC-R2UU-UA3E8* • Right Slot: RSC-R2UU-UE8R* • Air shroud: MCP-310-82505-0B*		3-pin Server
2U SC825 Series	SC825TQ-R700U • 8 hot-swap drive bays • 700W redundant with I²C management • Passive heatsink: SNK-P0023P* • Riser card • Left Slot: RSC-R2UU-UA3E8* • Right Slot: RSC-R2UU-UE8R* • Air shroud: MCP-310-0025-01*		3-pin Server

* Sold separately



	SuperServer 6015B-UR/U	SuperServer 6015B-NTR/NT	SuperServer 6015B-Ni
Processor Support	Dual Intel® Quad-Core/Dual-Core Xeon processor 5400/5300/5200/5100/5000 sequence (LGA771)	Dual Intel® Quad-Core/Dual-Core Xeon processor 5400/5300/5200/5100/5000 sequence (LGA771)	Dual Intel® Quad-Core/Dual-Core Xeon processor 5400/5300/5200/5100/5000 sequence (LGA771)
Key Applications	High-end enterprise server, SQL server, high performance computing cluster (HPCC), explicitly parallel instruction computing (EPIC)	High-end enterprise server, SQL server, high performance computing cluster (HPCC), explicitly parallel instruction computing (EPIC)	High-end enterprise server, SQL server, high performance computing cluster (HPCC), explicitly parallel instruction computing (EPIC)
Outstanding Features	Supports up to 3 add-on cards Universal I/O (UIO) slot 4 hot-swap drive bays 32 GB FB-DIMM memory 2 PCI-Express Gigabit Ethernet ports IPMI 2.0 with virtual media over LAN & KVM-over-LAN UID LED	Supports up to 3 add-on cards 4 hot-swap drive bays 32 GB FB-DIMM memory 2 PCI-Express Gigabit Ethernet ports IPMI 2.0 with virtual media over LAN & KVM-over-LAN UID LED	Supports up to 3 add-on cards 3 fixed drive bays 32 GB FB-DIMM memory 2 PCI-Express Gigabit Ethernet ports IPMI 2.0 with virtual media over LAN & KVM-over-LAN UID LED
Chipset/Serverboard™	Intel® 5000P/ SUPER® X7DBU	Intel® 5000P/ SUPER® X7DBU	Intel® 5000P/ SUPER® X7DBU
System Memory (Max.)	32 GB Fully-buffered DIMM (FBD) DDRII 667/533 in 8 DIMM sockets	32 GB Fully-buffered DIMM (FBD) DDRII 667/533 in 8 DIMM sockets	32 GB Fully-buffered DIMM (FBD) DDRII 667/533 in 8 DIMM sockets
Expansion Slots	1 Universal I/O (UIO) slot Right slot: 1 Universal PCI-X 133 or PCI-E x8 Left slot: 1 PCI-E x8	Right slot: 1 Universal PCI-X 133 or PCI-E x8 Left slot: 2 PCI-E x8	Right slot: 1 Universal PCI-X 133 or PCI-E x8 Left slot: 2 PCI-E x8
Onboard SAS/SCSI/SATA/ SATA RAID	Intel® ESB2 for 6 SATA (3 Gbps) RAID 0, 1, 5, 10 Optional SAS controller cards, (see Riser Card page)	Intel® ESB2 for 6 SATA (3 Gbps) RAID 0, 1, 5, 10	Intel® ESB2 for 6 SATA (3 Gbps) RAID 0, 1, 5, 10
Onboard LAN/VGA	Dual LAN with Intel® 82563 PCI-Express Gigabit Ethernet controllers ATI® ES1000 16MB PCI graphics controller	Dual LAN with Intel® 82563 PCI-Express Gigabit Ethernet controllers ATI® ES1000 16MB PCI graphics controller	Dual LAN with Intel® 82563 PCI-Express Gigabit Ethernet controllers ATI® ES1000 16MB PCI graphics controller
Manageability	SIMSO socket (IPMI 2.0 with virtual media over LAN & optional KVM-over-LAN) SuperDoctor® III, Watch Dog CBL-0177L is required to support dedicate LAN	SIMSO socket (IPMI 2.0 with virtual media over LAN & optional KVM-over-LAN) SuperDoctor® III, Watch Dog	SIMSO socket (IPMI 2.0 with virtual media over LAN & optional KVM-over-LAN) SuperDoctor® III, Watch Dog
Internal Storage (Max.)	SAS: 1.2 TB Optional SAS Card SATA: 4 TB	SATA: 4 TB	SATA: 3 TB
Drive Bays	4 x 3.5" hot-swap drive bays	4 x 3.5" hot-swap drive bays	3 x 3.5" internal drive bays
Peripheral Bays	1 slim DVD-ROM drive	1 slim DVD-ROM drive	N/A
Power Supply	6015B-UR: Redundant high-efficiency 650W w/I²C 6015B-U: 560W high-efficiency	6015B-NTR: Redundant high-efficiency 650W w/I²C 6015B-NT: 560W high-efficiency	520W high-efficiency
Cooling System	4 x 4cm counter-rotating fans w/optimal fan speed control & air shroud	4 x 4cm counter-rotating fans w/optimal fan speed control & air shroud	2 x 10cm heavy-duty blowers
Form Factor	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	1U Rackmount 426 x 43 x 650mm (16.8" x 1.7" x 25.6")



SuperServer 5015M-UR/U	SuperServer 5015M-NTR/NT	SuperServer 5015M-Ni	SuperServer 6025W-NTR+B
Intel® Quad-Core Extreme QX6700 Xeon® 3000 & Core 2 Duo processor E6000 & E4000 sequence (LGA775)	Intel® Quad-Core Extreme QX6700 Xeon® 3000 & Core 2 Duo processor E6000 & E4000 sequence (LGA775)	Intel® Quad-Core Extreme QX6700 Xeon® 3000 & Core 2 Duo processor E6000 & E4000 sequence (LGA775)	Dual Intel® Quad-Core/Dual-Core Xeon® 5400, 5300LV & 5200 5100LV processor (LGA771)
NAS storage, file server, mail server, web server for small businesses & other server applications	NAS storage, file server, mail server, web server for small businesses & other server applications	High-end file/print server, web server, communication gateway, primary server for small business, server clustering	Business critical applications, front-end server, database applications & video server
Supports up to 3 add-on cards Universal I/O (UIO) slot 4 hot-swap drive bays 8 GB DDRII 667 SDRAM 2 PCI-Express Gigabit Ethernet ports IPMI 2.0 with virtual media over LAN & KVM-over-LAN UID	Supports up to 3 add-on cards 4 hot-swap drive bays 8 GB DDRII 667 SDRAM 2 PCI-Express Gigabit Ethernet ports IPMI 2.0 with virtual media over LAN & KVM-over-LAN UID	Supports up to 3 add-on cards 3 fixed drive bays 8 GB DDRII 667 SDRAM 2 PCI-Express Gigabit Ethernet ports IPMI 2.0 with virtual media over LAN & KVM-over-LAN UID	Up to 8 3.5" hot-swap drive bays Universal I/O (UIO) slot 128 GB FB-DIMM memory 2 PCI-Express Gigabit Ethernet ports IPMI 2.0 with virtual media over LAN & KVM-over-LAN PCI-E 2.0 support
Intel® 3010/ SUPER ® PDSMU	Intel® 3010/ SUPER ® PDSMU	Intel® 3010/ SUPER ® PDSMU	Intel® 5400/ SUPER ® X7DWN+
8 GB Dual-Channel Unb. ECC, non ECC DDRII 667 SDRAM in 4 DIMM sockets	8 GB Dual-Channel Unb. ECC, non ECC DDRII 667 SDRAM in 4 DIMM sockets	8 GB Dual-Channel Unb. ECC, non ECC DDRII 667 SDRAM in 4 DIMM sockets	128 GB Fully-buffered DIMM (FBD) DDRII 800/667 in 16 DIMM sockets
Right slot: 1 PCI-E x4 (in x8 slot) Left slot: 1 PCI-E x8	Right slot: 1 PCI-E x4 (in x8 slot) Left slot: 2 PCI-E x8	Right slot: 1 PCI-E x4 (in x8 slot) Left slot: 2 PCI-E x8	1 Universal I/O (UIO) slot 3 PCI-E x8 (2 in Gen 2.0) 1 PCI-E x4 2 64-bit PCI-X 133MHz, in low-profile size
Intel® ICH7R for 4 SATA (3 Gbps) RAID 0, 1, 5, 10 Optional SAS controller cards, see Riser Card page	Intel® ICH7R for 4 SATA (3 Gbps) RAID 0, 1, 5, 10	Intel® ICH7R for 4 SATA (3 Gbps) RAID 0, 1, 5, 10	Intel® 6 SATA (3 Gbps) RAID 0, 1, 5, 10
Dual LAN with Intel® 82573 PCI-Express Gigabit Ethernet controllers ATI® ES1000 16MB PCI graphics controller	Dual LAN with Intel® 82573 PCI-Express Gigabit Ethernet controllers ATI® ES1000 16MB PCI graphics controller	Dual LAN with Intel® 82573 PCI-Express Gigabit Ethernet controllers ATI® ES1000 16MB PCI graphics controller	Dual LAN with Intel® 82575EB PCI-Express Gigabit Ethernet controllers ATI® ES1000 32MB PCI graphics controller
SIMSO socket (IPMI 2.0 with virtual media over LAN & optional KVM-over-LAN) SuperDoctor® III, Watch Dog	SIMSO socket (IPMI 2.0 with virtual media over LAN & optional KVM-over-LAN) SuperDoctor® III, Watch Dog	SIMSO socket (IPMI 2.0 with virtual media over LAN & optional KVM-over-LAN) SuperDoctor® III, Watch Dog	SIMSO slot (IPMI 2.0 with virtual media over LAN & optional KVM-over-LAN) SuperDoctor® III, Watch Dog
SAS: 1.2 TB SATA: 4TB	SATA: 4 TB (UIO SAS Controller Card Req.)	SATA: 3 TB	SAS: 2.4 TB (UIO SAS Controller Card Req.) SATA: 6 TB
4 x 3.5" hot-swap drive bays	4 x 3.5" hot-swap drive bays	3 x 3.5" internal drive bays	6 x 3.5" hot-swap drive bays, 2 spare bays
1 slim DVD-ROM drive	1 slim DVD-ROM drive	N/A	1 slim DVD-ROM drive, 2 x 3.5 internal drive bays (slim FDD optional)
5015M-UR: Redundant high-efficiency 450W w/I/C 5015M-U: 560W high-efficiency	5015M-NTR: Redundant high-efficiency 450W w/I/C 5015M-NT: 560W high-efficiency	280W high-efficiency	Redundant high-efficiency 700W w/I/C
5015M-UR: 3 x 4cm counter-rotating fans 5015-U: 4 x 4cm counter-rotating fans with optimal fan speed control & air shroud	5015M-NTR: 3 x 4cm counter-rotating fans 5015-NT: 4 x 4cm counter-rotating fans with optimal fan speed control & air shroud	2 x 10cm heavy-duty blowers	3 x 8cm heavy duty fans w/optimal fan speed control & air shroud
1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	1U Rackmount 426 x 43 x 650mm (16.8" x 1.7" x 25.6")	2U Rackmount/Tower 437 x 89 x 648mm (17.2" x 3.5" x 25.5")



SuperServer 6025B-UR	SuperServer 5025M-UR	SuperServer 7045W-NTR+B	SuperServer 7045A-WT
Dual Intel® Quad-Core/Dual-Core Xeon® processor 5400, 5300, 5200, 5100 & 5000 sequence (LGA771)	Intel® Quad-Core Extreme QX6700 Xeon® 3000 & Core 2 Duo processor E6000 & E4000 sequence (LGA775)	Dual Intel® Quad-Core/Dual-Core Xeon® 5400, 5300LV, 5200, 5100LV processor	Dual Intel® Quad-Core/Dual-Core Xeon® 5400, 5300LV, 5200, 5100LV processor
Business critical applications, front-end server, database applications, primary server for mid-size companies, Internet, e-business, server clustering	NAS storage, file server, mail server, web server for small businesses & other server applications	Mission critical applications, enterprise server, large database, e-business, Internet, on-line transaction	High-end workstation, business critical applications, front-end server, database applications, video server.
8 hot-swap drive bays Universal I/O (UIO) slot 32 GB FB-DIMM memory 2 PCI-Express Gigabit Ethernet ports IPMI 2.0 with virtual media over LAN & KVM-over-LAN 4 full-height & 3 low-profile	8 hot-swap drive bays Universal I/O (UIO) slot 8 GB DDRII 667 SDRAM 2 PCI-Express Gigabit Ethernet ports IPMI 2.0 with virtual media over LAN & KVM-over-LAN 4 full-height	8 Hot Swap Drive Bays Universal I/O (UIO) slot 128 GB FB-DIMM memory 2 PCI-Express Gigabit Ethernet ports IPMI 2.0 with virtual media over LAN & KVM-over-LAN PCI-E 2.0 Support	8 hot-swap drive bays Universal I/O (UIO) slot 64 GB FB DIMM memory 2 PCI-Express Gigabit Ethernet ports IPMI 2.0 with virtual media over LAN & KVM-over-LAN PCI-E 2.0 Support 6 pin power connectors
Intel® 5000P/ SUPER ® X7DBU	Intel® 3010/ SUPER ® PDSMU	Intel® 5400/ SUPER ® X7DWN+	Intel® 5400/ SUPER ® X7DWA-N
32 GB Fully-buffered DIMM (FBD) DDRII 667/533 in 8 DIMM sockets	8 GB Dual-Channel Unb. ECC, non ECC DDRII 667 SDRAM in 4 DIMM sockets	128 GB Fully-buffered DIMM (FBD) DDRII 800/667 in 16 DIMM sockets	64GB Fully-Buffered DIMM (FBD) DDRII 800/667 in 8 DIMMs
1 Universal I/O (UIO) slot Right slot (low-profile): 1 PCI-X 133 2 PCI-E x4 (in x8 slot) Left slot (full-height): 3 PCI-E x8 or 3 PCI-X 133 optional	Left slot (full-height): 1 Universal I/O (UIO) 3 PCI-E x8 or 3 PCI-X 133 optional	1 Universal I/O (UIO) slot 2 PCI-X 133Mhz 3 PCI-E x8 (2 in Gen 2.0) 1 PCI-E x4	1 Universal I/O (UIO) slot & 2 PCI 2 PCI-E x16 (Gen 2.0) 2 PCI-X 133Mhz
Intel® ESB2 for 6 SATA (3 Gbps) RAID 0, 1, 5, 10 Optional SAS controller cards, see Riser Card page	Intel® ICH7R for 4 SATA (3 Gbps) RAID 0, 1, 5, 10 Optional SAS controller cards see Riser Card page	Intel® ESB2 for 6 SATA (3 Gbps) RAID 0, 1, 5, 10 Optional SAS controller cards see Riser Card page	Intel® ESB2 for 6 SATA (3Gbps) RAID 0, 1, 10
Dual LAN with Intel® 82563 PCI-Express Gigabit Ethernet controllers ATI® ES1000 16MB PCI graphics controller	Dual LAN with Intel® 82573 PCI-Express Gigabit Ethernet controllers ATI® ES1000 16MB PCI graphics controller	Dual LAN with Intel® 82575EB PCI-Express Gigabit Ethernet controllers ATI® ES1000 32MB PCI graphics controller	Dual LAN w/Intel® 82575EB Gigabit Ethernet controllers
SIMSO socket (IPMI 2.0 with virtual media over LAN & optional KVM-over-LAN) SuperDoctor® III, Watch Dog CBL-0177L is required to support delicate LAN	SIMSO socket (IPMI 2.0 with virtual media over LAN & optional KVM-over-LAN) SuperDoctor® III, Watch Dog CBL-0177L is required to support delicate LAN	SIMSO socket (IPMI 2.0 with virtual media over LAN & optional KVM-over-LAN) SuperDoctor® III, Watch Dog CBL-0177L is required to support dedicate LAN	SIMLP socket (IPMI 2.0) Watch Dog, SuperDoctor® III
SAS: 2.4 TB (UIO SAS Controller Req.) SATA: 8 TB	SAS: 2.4 TB (UIO SAS Controller Req.) SATA: 8 TB	SAS: 4 TB (UIO SAS Controller Req.) SATA: 6 TB	SAS: 4 TB (UIO SAS Controller Req.) SATA: 6 TB
8 x 3.5" hot-swap drive bays & 2 x 3.5" internal drive bays UIO SAS controller card required	8 x 3.5" hot-swap drive bays & 2 x 3.5" internal drive bays UIO SAS controller card required	6 x 3.5" SATA drive bays 2 x 3.5" spare drive bays 2 x 5.25 spare drive bays	6 x 3.5" SATA drive bays 2 x 3.5" spare drive bays 2 x 5.25 spare drive bays
1 slim DVD-ROM drive	1 slim DVD-ROM drive	Floppy	Floppy
Redundant high-efficiency 700W w/I ² C	Redundant high-efficiency 700W w/I ² C	Redundant high-efficiency 800W w/I ² C	Redundant high-efficiency 800W w/I ² C
3 x 8cm heavy-duty fans with optimal fan speed control & air shroud	3 x 8cm fans w/optimal fan speed control	3 x 8cm heavy-duty fans, 2 exhaust with optimal fan speed control & air shroud	3 x 8cm heavy-duty fans, 2 exhaust with optimal fan speed control & air shroud
2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")	Tower /4U Rackmount 437 x 178 x 648mm (17.2" x 7" x 25.5")	Tower /4U Rackmount 437 x 178 x 648mm (17.2" x 7" x 25.5")



A+ Server 1011M-Ni	A+ Server 1011M-UR	A+ Server 1021M-UR+	A+ Server 2021M-UR+
Dual-Core AMD® Opteron™ 1000 Series Processors	Dual-Core AMD® Opteron™ 1000 Series Processors	Quad-Core AMD® Opteron™ 2000 Series Processors	Quad-Core / AMD® Opteron™ 2000 Series Processors
Entry Level Dedicated Server, (NAS) Server	High-end enterprise server, SQL server, high performance computer cluster (HPCC)	High-end enterprise server, SQL server, high performance computer cluster (HPCC)	High-end enterprise server, SQL server, high performance computer cluster (HPCC)
3 fixed SATA/IDE drives PCI-Express 8 GB DDR2 800/667/533 SDRAM 2 Gigabit Ethernet ports SIMSO (IPMI 2.0) management 280W high-efficiency power supply	4 hot-swap drive bays Universal I/O (UIO) and PCI-Express 8 GB DDR2 800/667/533 SDRAM 2 Gigabit Ethernet ports SIMSO (IPMI 2.0) management 450W high-efficiency redundant power supply	4 hot-swap hard drive bays (UIO) Universal I/O (UIO) and PCI-Express 64 GB DDR2 667/533/400 SDRAM 2 Gigabit Ethernet ports SIMSO (IPMI 2.0) management 650W high-efficiency redundant power supply	8 hot-swap hard drive bays (UIO) Universal I/O slot and PCI-Express 64 GB DDR2 667/533/400 SDRAM 2 Gigabit Ethernet ports SIMSO (IPMI 2.0) management 700W high-efficiency redundant power supply
H8SMU / HyperTransport™ technology nVidia MCP55-Pro	H8SMU / HyperTransport™ technology nVidia MCP55-Pro	H8DMU+ / HyperTransport™ technology nVidia® MCP55-Pro	H8DMU+ / HyperTransport™ technology nVidia® MCP55-Pro
8GB ECC/non-ECC Unbuffered DDR2 800/667/533 SDRAM in 4 DIMM sockets	8GB ECC/non-ECC Unbuffered DDR2 800/667/533 SDRAM in 4 DIMM sockets	64GB ECC Reg. DDR2 667/533/400 SDRAM in 16 DIMM sockets	64GB ECC Reg. DDR2 667/533/400 SDRAM in 16 DIMM sockets**
Right Slot: 1 PCI-Express x8 (low profile) Left Slot: 2 PCI-Express x8 (full size)	Right Slot: 1 PCI-E x8 (low profile) Left Slot: 1 Universal I/O (UIO) slot 1 PCI-Express x8	Left Slot: 1 Universal I/O (UIO) slot 1 PCI-Express x8	Right Slot: 1 PCI-Express x8 (low profile) 1 PCI-Express x4 (in x8 slot, low profile) Left Slot: 1 Universal I/O (UIO) slot 3 PCI-Express x8 (full size)
nVidia® MCP55-Pro for 3 SATA	UIO® SAS 4 port controller nVidia MCP55-Pro for 4 SATA	UIO® SAS 4 port controller nVidia MCP55-Pro for 4 SATA	UIO® SAS 8 port controller nVidia MCP55-Pro for 6 SATA
Dual LAN with nVidia MCP55-Pro Gigabit Ethernet controller ATI® ES1000 16MB PCI graphics controller	Dual LAN with nVidia® MCP55-Pro Gigabit Ethernet controller ATI® ES1000 16MB PCI graphics controller	Dual LAN with nVidia® MCP55-Pro Gigabit Ethernet controller ATI® ES1000 16MB PCI graphics controller	Dual LAN with nVidia® MCP55-Pro Gigabit Ethernet controller ATI® ES1000 16MB PCI graphics controller
SIMSO (IPMI 2.0) socket, SuperDoctor® III, Watch Dog	SIMSO (IPMI 2.0) slot, SuperDoctor® III, Watch Dog	SIMSO (IPMI 2.0) socket, SuperDoctor® III, Watch Dog	SIMSO (IPMI 2.0) socket, SuperDoctor® III, Watch Dog
2.25 TB	3 TB	3 TB	6 TB
3 x 3.5" fixed drive bays	4 x 3.5" hot-swap SAS/SATA drive bays with SES2 support	4 x 3.5" hot-swap SAS or SATA drive bays with SES2 support	8 x 3.5" hot-swap SAS or SATA drive bays with SES2 support
N/A	1 slim DVD drive optional 1 slim floppy drive	1 slim DVD drive optional 1 slim floppy drive	1 slim DVD drive optional 1 slim floppy drive
280W high-efficiency power supply	450W high-efficiency redundant power supply w/ I²C	650W high-efficiency redundant power supply w/ I²C	700W high-efficiency redundant power supply with I²C
2 x 10cm heavy duty blowers with air shroud & optimal fan speed control	3 x 4cm heavy duty counter-rotating fans with air shroud & optimal fan speed control	4 x 4cm heavy duty counter-rotating fans with air shroud & optimal fan speed control	3 x 8cm heavy duty fans with air shroud & optimal fan speed control
1U Rackmount 437 x 43 x 650mm (16.8" x 1.7" x 25.6")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")

UIO SAS RAID Cards

Featuring Universal I/O SAS RAID Cards

The SAS RAID card delivers industry leading RAID performance at an unprecedented performance-to-price ratio. For companies running popular applications like web services or file/email servers, the UIO SAS RAID card opens the world of professional RAID performance and combines it with cost-effective SAS and SATA drive compatibility for the ultimate external storage solutions. Now customers can use one platform instead of two to support both drive types to satisfy all three application segments (reference data, transaction data, throughput data). With an optional battery backup unit and provide cached data protection that allows system builders to protect cached data even from the most catastrophic system failures.

AOC-USAS-L4iR



- LSI SAS 1068E 8-port PCI-E SAS controller
- 8-port (4 internal and 4 external), 3Gb/s per port
- RAID 0, 1, 10
- RAID 5 option with iButton (AOC-USAS-L4iR)
- MegaRAID Storage Manager Software (AOC-USAS-L4iR)
- Automatically negotiates PCI-E link widths
- Power management support
- 1.5 and 3.0 Gb/s SAS and SATA data transfer rates
- Port independent auto-negotiation
- SSP, SMP, STP and SATA protocols
- OS Support : Windows 2000/XP/2003, RedHat Enterprise and SUSE Linux

AOC-USAS-H8iR



- LSI SAS 1078 8-port SAS controller
- 8-port (8 internal) 3Gb/s per port
- RAID 0, 1, 5, 6, 10, 50, 60
- Onboard hardware IO processor
- 256MB 667MHz DDR2 on-card cache
- Advanced array configuration and management utilities
- Automatically negotiates PCI-E link widths
- Power management support
- 1.5 and 3.0 Gb/s SAS and SATA data transfer rates
- Port independent auto-negotiation
- SSP, SMP, STP and SATA protocols
- Optional battery backup unit for cached data protection
- OS Support : Windows 2000/XP/2003, RedHat Enterprise and SUSE Linux

AOC-USAS-H4iR



- 240 physical devices
- SAS drives cascaded with expander
- LSI SAS 1078 PCI-E SAS controller
- 4-port (internal) and 4-port (external) 3Gb/s per port
- RAID 0, 1, 5, 6, 10, 50, 60
- Onboard hardware IO processor
- 256MB 667MHz DDR2 on-card cache
- Advanced array configuration and management utilities
- Automatically negotiates PCI-E link widths
- Power management support
- 1.5 and 3.0 Gb/s SAS and SATA data transfer rates
- Port independent auto-negotiation
- SSP, SMP, STP and SATA protocols
- Optional battery backup unit for cached data protection
- OS Support : Windows 2000/XP/2003, RedHat Enterprise and SUSE Linux

UIO SAS RAID Cards

AOC-USAS-S4i(R)



- High-performance SAS controller with Intel IOP348 processor
- 4-port (internal) and 4-port (external) 3Gb/s per port
- RAID 0, 1, 10
- RAID 5 with iButton (AOC-USAS-S4iR)
- Onboard hardware IO processor
- 256 or 128MB 533MHz DDR2 on-card cache
- Automatically negotiates PCI-E link widths
- Power management support
- 1.5 and 3.0 Gb/s SAS and SATA data transfer rates
- Port independent auto-negotiation
- SSP, SMP, STP and SATA protocols
- Optional battery backup unit for cached data protection (AOC-USAS-S4iR)
- OS Support: Windows 2000/XP/2003, RedHat Enterprise and SUSE Linux

AOC-USAS-S8i(R)



- High-performance SAS controller with Intel IOP348 processor
- 8-port (internal) 3Gb/s per port
- RAID 0, 1, 10
- RAID 5 with iButton (AOC-USAS-S8iR)
- Onboard hardware IO processor
- 256 or 128MB 533MHz DDR2 on-card cache
- Automatically negotiates PCI-E link widths
- Power management support
- 1.5 and 3.0 Gb/s SAS and SATA data transfer rates
- Port independent auto-negotiation
- SSP, SMP, STP and SATA protocols
- Optional Battery Backup Unit for cached data protection (AOC-USAS-S8iR)
- OS Support: Windows 2000/XP/2003, RedHat Enterprise and SUSE Linux

AOC-USASLP-S8i(R)



- High-performance SAS controller with Intel IOP348 processor
- 8-port (internal) 3Gb/s per port
- RAID 0, 1, 10
- RAID 5 with iButton (AOC-USASLP-S8iR)
- Onboard hardware IO processor
- 256 or 128MB 533MHz DDR2 on-card cache
- Automatically negotiates PCI-E link widths
- Power management support
- 1.5 and 3.0 Gb/s SAS and SATA data transfer rates
- Port independent auto-negotiation
- SSP, SMP, STP and SATA protocols
- Optional battery backup unit for cached data protection (AOC-USASLP-S8iR)
- OS Support: Windows 2000/XP/2003, RedHat Enterprise and SUSE Linux

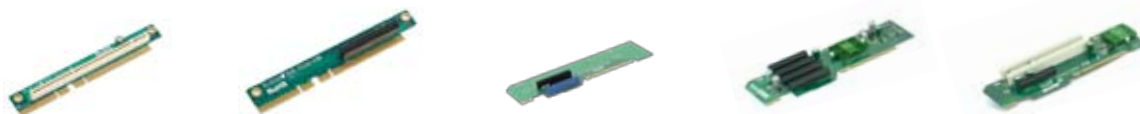
Model	Controller/IOP	SAS Port	RAID	Onboard Cache
AOC-USAS-L4i	LSISAS 1068E	8 ports, 3Gb/s per port 4 Internal, 4 External	RAID, 0, 1, 10	-
AOC-USAS-L4iR	LSISAS 1068E	8 ports, 3Gb/s per port 4 Internal, 4 External	RAID, 0, 1, 10 RAID 5 with iButton	-
AOC-USAS-H8iR	LSISAS 1078	8 ports, 3Gb/s per port 8 Internal	RAID, 0, 1, 5, 6, 10, 50, 60 RAID 5 with iButton	256MB DDR2 on-card cache w/ battery back-up option
AOC-USAS-H4iR	LSISAS 1078	8 ports, 3Gb/s per port 4 Internal, 4 External	RAID, 0, 1, 5, 6, 10, 50, 60 RAID 5 with iButton	256MB DDR2 on-card cache w/ battery back-up option
AOC-USAS-S4i	Intel IOP348	8 ports, 3Gb/s per port 4 Internal, 4 External	RAID, 0, 1, 10	128MB DDR2 on-card cache
AOC-USAS-S4iR	Intel IOP348	8 ports, 3Gb/s per port 4 Internal, 4 External	RAID, 0, 1, 5, 10	256 DDR2 on-card cache w/ battery back-up option
AOC-USAS-S8i	Intel IOP348	8 ports, 3Gb/s per port 8 Internal	RAID, 0, 1, 10	128MB DDR2 on-card cache
AOC-USAS-S8iR	Intel IOP348	8 ports, 3Gb/s per port 8 Internal	RAID, 0, 1, 5, 10	256MB DDR2 on-card cache w/ battery back-up option
AOC-USASLP-S8i	Intel IOP348	8 ports, 3Gb/s per port 8 Internal	RAID, 0, 1, 10	128MB DDR2 on-card cache
AOC-USASLP-S8iR	Intel IOP348	8 ports, 3Gb/s per port 8 Internal	RAID, 0, 1, 5, 10	256 DDR2 on-card cache w/ battery back-up option

U10 Riser Cards

Rackmounted servers often need extra slots to expand the number I/O cards that can be used in the system. U10 riser card operates as an extension to the onboard PCI slots, which allows this expansion by providing a method of mounting add-in cards parallel to the U10 board rather than the traditional vertical mount as in full-size systems. This design will help to achieve smaller foot print solutions for a cost-effective approach.



Left Slot	RSC-R1UU-UAX	RSC-R1UU-E16	RSC-R1UU-UE8	RSC-R1UU-2E8	RSC-R1UU-E8R+
Form Factor	1U	1U	1U	1U	1U
Fit Type	Universal U10 slot	Universal U10 slot	Universal U10 slot	Universal U10 slot	Universal slot
Output Type	1 U10, 1PCI-X	1 PCI-E x16	1 U10, 1 PCI-E x8	2 PCI-E x8	1 PCI-E x4 (in PCI-E x8 slot)
Speed Type	PCI-E x8, PCI-X 133/100/66 MHz	PCI-E x16	PCI-E x8	PCI-E x8	PCI-E x4/8
Compatible MB	PDSMU, X7DBU, H8SMU, H8DMU+	X7DGU, H8SMU, H8DMU+	PDSMU, X7DBU, H8SMU, H8DMU+	PDSMU, X7DBU, H8SMU, H8DMU+	H8SMU, PDSMU
Compatible Chassis	SC815TQ-R650U/ R450U/560U, SC812L-520U/280U	SC815TQ-R650U/ R450U/560U, SC812L-520U/280U	SC815TQ-R650U/ R450U/560U, SC812L-520U/280U	SC815TQ-R650U/ R450U/560U, SC812L-520U/280U	SC815TQ-R650U/ R450U/560U, SC812L-520U/280U



Right Slot	RSC-R1UU-XR	RSC-R1UU-E8R	RSC-R2UU-UE8	RSC-R2UU-A4E8	RSC-R2UU-A2XE8
Form Factor	1U	1U	2U	2U	2U
Fit Type	Universal slot	Universal slot	Universal slot	Universal slot	Universal slot
Output Type	1 PCI-X	1 PCI-E x8	1 U10, 1 PCI-E x8 slot	4 PCI-E x8	2x 133/100/66 MHz, 1x PCI-E x8
Speed Type	133/100/66MHz	PCI-E x8	PCI-E x8	PCI-E x8	133/100/66 MHz, PCI-E x8
Compatible MB	X7DBU, X7DGU	X7DBU, X7DGU	PDSMU, X7DBU, H8SMU, H8DMU+	PDSMU, X7DBU, H8SMU, H8DMU+	PDSMU, X7DBU, H8SMU, H8DMU+
Compatible Chassis	SC815TQ-R650U/ R450U/560U, SC812L-520U/280U	SC815TQ-R650U/ R450U/560U, SC812L-520U/280U	SC825TQ-R700U	SC825TQ-R700U	SC825TQ-R700U



Left Slot	RSC-R2UU-UA3E8	RSC-R2UU-UAX	RSC-R2UU-A3XE8	RSC-R2UU-2E8R	RSC-R2UU-X2E4R
Form Factor	2U	2U	2U	2U	2U
Fit Type	Universal slot	Universal slot	Universal slot	Universal slot	Universal slot
Output Type	1 U10, 3 PCI-E x8	1U10, 3 PCI-X	1 PCI-E, 3 PCI-X	2 PCI-E x8	1 PCI-X, 2 PCI-E x4 (in x8 slot)
Speed Type	PCI-E x8	PCI-E x8, PCI-X 133/100/66 MHz,	PCI-E x8, PCI-X 133/100/66 MHz,	PCI-E x8	133/100/66MHz, PCI-E x4
Compatible MB	PDSMU, X7DBU, H8SMU, H8DMU+	PDSMU, X7DBU, H8SMU, H8DMU+	PDSMU, X7DBU, H8SMU, H8DMU+	H8DMU+	X7DBU
Compatible Chassis	SC825TQ-R700U	SC825TQ-R700U	SC825TQ-R700U	SC825TQ-R700U	SC825TQ-R700U

Gigabit Ethernet Adapters

Faster Networks for Maximizing Computing Demands

Supermicro's **Gigabit Ethernet Adapters** can help improve network throughput as well as application performance through features that help you maximize the use of your network bandwidth and offload CPU resources. Maximum performance means eliminating bottlenecks between the CPU, end-user applications, and network access. A solution characterized simply as end-to-end throughput computing, Gigabit Ethernet Adapters interface with the Supermicro UIO motherboard through a PCI Express UIO slot. This maximizes the I/O bandwidth of the multiple ports Gigabit Ethernet connectivity. The dedicated input/output connections of the PCI-E ensure priority performance on each port without bus-sharing.

Features

- Business Financial
- Customer Management Solutions
- Decision Support Data Warehouse
- Enterprise Resource Planning
- Web Infrastructure

Key Industries

- Aerospace
- Automotive
- Education
- Energy
- Financial Services
- Global Government
- Healthcare
- Life Sciences
- Manufacturing
- Media, Entertainment & Internet Services
- Retail



Right Slot	AOC-UTG-i2		AOC-STG-i2	AOC-UG-i4	
Description	UIO 10G card		Standard LP 10G card	UIO 4x 1G card	
PCI	PCI-E x8		PCI-E x8	PCI-E x8	
Port	2 CX4 ports		2 CX4 ports	4 ports	
Speed Type	10 Gigabit port		10 Gigabit port	1 Gigabit port	
Compatible MB	X7DBU X7DAL-E PDSMU, H8DMU+	X7DBN X7DAL-E+ H8SMU	Can be used for all motherboards with a PCI-E x8 slot	X7DBU X7DAL-E PDSMU H8DMU+	X7DBN X7DAL-E+ H8SMU
Compatible Chassis/Servers	6015B-UR 6015B-NT 5015M-NT 5015M-Ni	6015B-NTR 6015B-U 5015M-UR	Can be used for all systems with a PCI-E x8 slot	6015B-UR 6015B-NT 5015M-NT 5015M-Ni	6015B-NTR 6015B-U 5015M-UR



Right Slot	AOC-NXB-10GCX4	AOC-NXB-10GXSR
Description	Standard 10G card	Standard 10G card
PCI	PCI-E x8	PCI-E x8
Port	1 CX4 port	1 XFP port
Speed Type	10 Gigabit port	10 Gigabit port
Compatible MB	Can be used for all motherboards with a PCI-E x8 slot	Can be used for all motherboards with a PCI-E x8 slot
Compatible Chassis/Servers	Can be used for all systems with a PCI-E x8 slot	Can be used for all systems with a PCI-E x8 slot

SC515-U

Mechanical Drawing



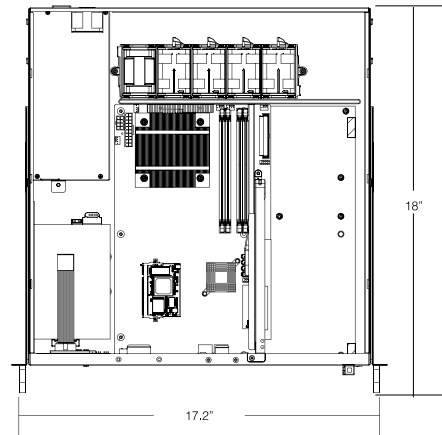
Black



Rear View (SC515-280UB)



Rear View (SC515-280UB)



Features

- ✓ Core 2 Duo/Pentium D processors supported
- ✓ 2 Full-height PCI/PCI-X/PCI-E
- ✓ 280W high-efficiency power supply
- ✓ 3 counter-rotating fans with optimal fan speed control & air shroud

Specifications

Form Factor	1U chassis support for max. motherboard size - 12" x 13" UIO MB		
CPU support	Pentium D, Core 2		
Expansion	2 full-height & full-length expansion slot		
Drive Bays	1x 3.5" fixed HDD or 2 x 2.5" fixed HDDs (optional)		
Power Supply	280W high-efficiency power supply		
Cooling System	3x 40x56mm counter-rotating fans		
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs & fan fail / overheat LED		
Front Panel Buttons	Power on/off button, system reset button		
Dimensions	W x H x D: 17.2" (437mm) x 1.7" (43mm) x 18" (650mm) Packing: 24" x 8" x 26.7"		
Rail	Extendable lengths of 26" to 33.5"		
Temperature	Operating: 10 - 35° C (50° to 95° F)	Non-operating: -40 - 70° C (-40 to 158°F)	
Humidity	Operating: 8 - 90% non-condensing	Non-operating: 5 - 95% non-condensing	

● Optimized ● Compatible ● Optimized low-power configuration ● Compatible low-power configuration

Model	12" x 13" UIO MB		Drive Bays	Cooling System	Power Supply	+5Vsb +12V		Gross Weight
	X7	PD						
SC515-280UB	●	●	1 Fixed	3 x 12000 rpm fans	280W high-efficiency	2	23	30 lbs

FF: Full-height & full-length expansion slot

LP: Low-profile expansion slot

SC812L-U

UIO Chassis - Dual/Single Processors

SC812L-U

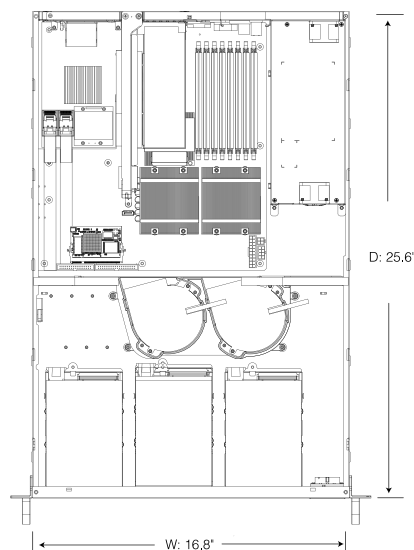
Mechanical Drawing



Beige/Black



Rear view



Features

- ✓ Quad-Core Xeon/Dual-Core Xeon/Quad-Core Extreme/Core 2 Duo/Pentium D processors supported
- ✓ 2 Full-height PCI/PCI-X/PCI-E & 1 low-profile PCI/PCI-X/PCI-E supported
- ✓ 520/280W high-efficiency power supply (88% and up*)
- ✓ 2 blowers with optimal fan speed control & air shroud
- ✓ Adjustable blower tray to optimize air flow with different motherboards

Specifications

Form Factor	1U chassis support for max. motherboard size - 12" x 13" UIO MB		
CPU support	Dual Xeon & Pentium D		
Expansion	2 full-height & full-length expansion slots & 1 low-profile expansion slot		
Drive Bays	3 x 3.5" fixed drive bays		
Power Supply	SC812L-520U: 520W high-efficiency power supply SC812L-280U: 280W high-efficiency power supply		
Cooling System	2 x 10cm blowers with optimal fan speed control		
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs & Universal Information/UID LED		
Front Panel Buttons	Power on/off button, system reset button & UID button		
Dimensions	W x H x D: 16.8" (427mm) x 1.7" (43mm) x 25.6" (650mm) Packing: 22" x 8.1" x 31.7"		
Rail	Extendable lengths of 29" to 35.25"		
Temperature	Operating: 10 - 35° C (50° to 95°F)	Non-operating: -40 - 70° C (-40° to 158° F)	
Humidity	Operating: 8 - 90% non-condensing	Non-operating: 5 - 95% non-condensing	

● Optimized ● Compatible ● Optimized low-power configuration

Model	UIO MB X7	PD	PCI I/O	Drives	Cooling Systems	Power Supply	+5Vsb	+12V	Gross Weight
SC812L-520U	●	●	2 FF & 1 LP	3 fixed	2 x 5000rpm fans	520W high-efficiency	3	39	34 lbs
SC812L-280U	●	●	2 FF & 1 LP	3 fixed	2 x 5000rpm fans	280W high-efficiency	2	23	34 lbs

FF: Full-height & full-length expansion slot
LP: Low-profile expansion slot

* Our new generation power supply efficiency measured under typical operations

SC815-U

1U High-Performance Chassis - Dual Processors

SC815-U

Mechanical Drawing



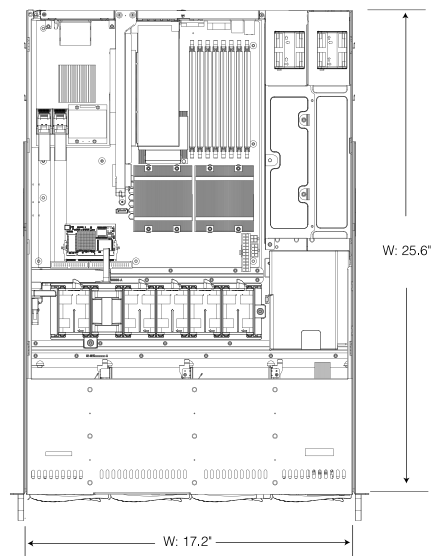
Silver/Black



Rear View (SC815TQ-560U)



Rear View (SC815TQ-R650U/R450U)



Features

- ✓ Quad-Core Xeon/Dual-Core Xeon/Quad-Core Extreme/Core 2 Duo/Pentium D processors supported
- ✓ 2 Full-height PCI/PCI-X/PCI-E & 1 low-profile PCI/PCI-X/PCI-E supported
- ✓ 650W/450W redundant high-efficiency power supply/560W high-efficiency power (88% and up)
- ✓ 4 counter-rotating fans with optimal fan speed control & air shroud

Specifications

Form Factor	1U chassis support for max. motherboard size - 13.68" x 13" E-ATX (SC815TQ-560U), 12" x 13" E-ATX (SC815TQ-R650U/R450U)		
CPU support	Dual Xeon, Pentium D		
Expansion	2 full-height & full-length expansion slots & 1 low-profile expansion slot		
Peripheral Drives	1 slim DVD-ROM drive & optional slim FDD		
Drive Bays	4 x 3.5" hot-swap drive bays		
Power supply	SC815TQ-R650U: 650W redundant high-efficiency power supply w/I ² C		
	SC815TQ-R450U: 450W redundant high-efficiency power supply w/I ² C		
	SC815TQ-560U: 560W high-efficiency power supply		
Cooling System	SC815TQ-R650U/560U: 4 x 4cm heavy duty counter-rotating fans with optimal fan speed control		
	SC815TQ-R450U: 3 x 4cm heavy duty counter-rotating fans with optimal fan speed control		
Front Panel Buttons	Power LED, hard drive activity LED, 2 network activity LEDs & Universal Information/UID LED		
Front Panel LEDs	Power on/off button, system reset button & UID button		
Dimensions	W x H x D: 17.2" (437mm) x 1.7" (43mm) x 25.6" (650mm) Packing: 23.5" x 8.5" x 33.7"		
Rail (optional)	Extendable lengths of 26" to 33.5"		
Temperature	Operating: 10 - 35°C (50 to 95°F) Non-operating: -40 - 70°C (-40 to 158°F)		
Humidity	Operating: 8 - 90% non-condensing Non-operating: 5 - 95% non-condensing		

● Optimized ● Compatible ● Optimized low-configuration

Model	U10 MB		PCI I/O	Drive		Cooling System	Power	+5V _{SB} +12V		Gross Weight
	X7	PD								
SC815TQ-R650U	●	●	2 FF & 1 LP	4 hot-swap	slim	4 x 14000rpm fans	650W redundant high-efficiency	3	54	40 lbs
SC815TQ-R450U	●	●	2 FF & 1 LP	4 hot-swap	slim	3 x 14000rpm fans	450W redundant high-efficiency	3	37	40 lbs
SC815TQ-560U	●	●	2 FF & 1 LP	4 hot-swap	slim	4 x 14000rpm fans	560W high-efficiency	3	54	40 lbs

FF: Full-height & full-length expansion slot LP: Low-profile expansion slot

Optional Kit	Model Part #	Description
Peripheral Drives	FPD-PNSC-02 (01)	Panasonic 3.5" 1.44MB Floppy Drive (01 = Black)

SC825-U

2U 4 Full-Height & 3 Low-Profile

SC825-U

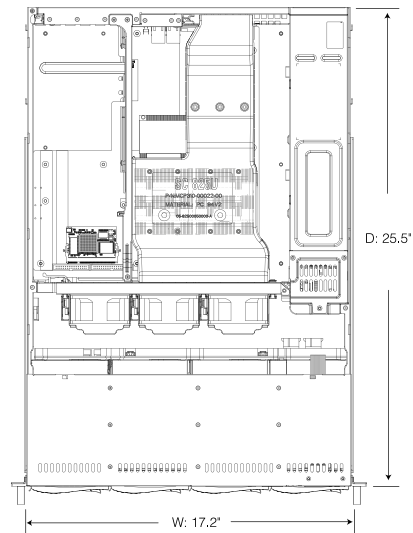
Mechanical Drawing



Silver/Black



Rear view



Features

- ✓ 4 full-height PCI/PCI-X/PCI-E & 3 low-profile PCI/PCI-X/PCI-E expansion slots
- ✓ 700W redundant high-efficiency power (90% and up)
- ✓ Butterfly riser card
- ✓ 3 high-performance fans with airflow / thermal-control design

Specifications

Form Factor	2U chassis support for max. motherboard size - 13.68" x 13"		
CPU support	Dual Xeon, Pentium D		
Expansion	4 full-height & full-length & 3 low-profile expansion slots		
Peripheral Drives	1 slim DVD-ROM drive, 1 COM, 2 USB 2.0 ports & 2 x 3.5" bays for optional floppy drive or up to 2 fixed hard disk drives		
Drive Bays	8 x 3.5" hot-swap drive bays		
Power Supply	700W redundant high-efficiency power supply w/I ² C & fan speed control		
Cooling System	3 x 8cm hot-swap cooling fans		
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs, system overheat LED & power fail LED		
Front Panel Buttons	Power on/off button & system reset button		
Dimensions	W x H x D: 17.2" (437mm) x 3.5" (89mm) x 25.5" (648mm) Packing: 23.8"x 9.8" x 32.9"		
Rail	Extendable lengths of 28.25" to 33"		
Temperature	Operating: 10 - 35°C (50° to 95°F)	Non-operating: -40 - 70°C (-40 to 158°F)	
Humidity	Operating: 8 - 90% non-condensing	Non-operating: 5 - 95% non-condensing	

● Optimized

Model	UIO MB X7 PD	PCI I/O	Drive	Cooling System	Power	+5V _{SB} +12V	Gross Weight
SC825TQ-R700U	● ●	4 FF & 3 LP	8 hot-swap	3 x 6300rpm fans	700W redundant high-efficiency w/I ² C	4 57	52 lbs

FF: Full-height & full-length expansion slot

LP: Low-profile expansion slot

Optional Kit	Model Part #	Description
Peripheral Drives	FPD-PNSC-02 (01)	Panasonic 3.5" 1.44MB Floppy Drive (01 = Black)

SC826-U

2U 4 Full-Height & 3 Low-Profile

SC825-U

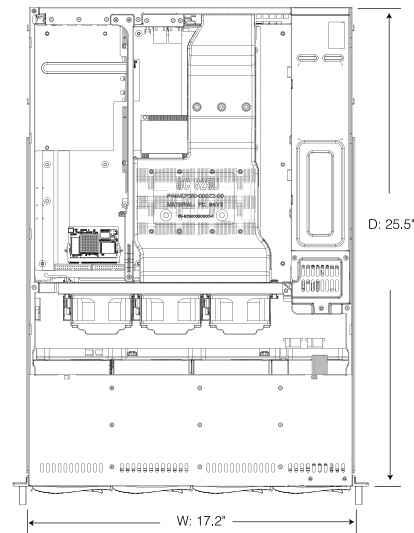
Mechanical Drawing



Silver/Black



Rear view



Features

- ✓ 4 full-height & 3 low-profile PCI/PCI-X/PCI-E expansion slots
- ✓ 800W redundant high-efficiency power (90% and up)
- ✓ Butterfly riser card
- ✓ 3 high-performance fans with airflow/thermal-control design

Specifications

Form Factor	2U chassis support for max. motherboard size - 13.68" x 13"		
CPU support	Dual Xeon, Pentium D		
Expansion	4 full-height & full-length & 3 low-profile expansion slots		
Drive Bays	12 x 3.5" hot-swap drive bays		
Power Supply	800W redundant high-efficiency power supply w/ I°C & fan speed control		
Cooling System	3 x 8cm hot-swap cooling fans		
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs, system overheat LED & power fail LED		
Front Panel Buttons	Power on/off button & system reset button		
Dimensions	W x H x D: 17.2" (437mm) x 3.5" (89mm) x 25.5" (648mm) Packing: 23.8"x 9.8" x 32.9"		
Rail	Extendable lengths of 28.25" to 33"		
Temperature	Operating: 10 - 35°C (50° to 95°F)	Non-operating: -40 - 70°C (-40° to 158°F)	
Humidity	Operating: 8 - 90% non-condensing	Non-operating: 5 - 95% non-condensing	

● Optimized

Model	UIO MB		PCI I/O	Drive	Cooling System	Power	+5V _{SB}	+12V	Gross Weight
	X7	PD							
SC826TQ-R800B	●	●	4 FF & 3 LP	12 hot-swap	3 x 6300rpm fans	700W redundant high-efficiency w/I°C	4	57	52 lbs
SC826E1/E2-R800B	●	●	4 FF & 3 LP	12 hot-swap	3 x 6300rpm fans	700W redundant high-efficiency w/I°C	4	57	52 lbs

FF: Full-height & full-length expansion slot

LP: Low-profile expansion slot

SC823MTQ/-U

17.7" 2U Front Access

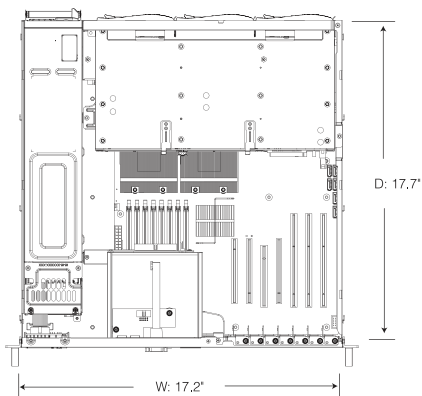
SC823MTQ-R700LPB



SC823MTQ-R700LPB



SC823MTQ-R700LPB rear view



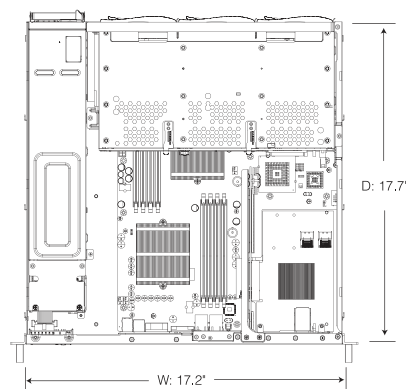
SC823MTQ-R700UB



SC823MTQ-R700UB



SC823MTQ-R700UB rear view



Features

700W redundant power supply with high-efficiency power (90% and up)
Redundant power supply with advanced airflow/thermal-control design

Specifications

Form Factor	2U chassis support for max. motherboard size - 13.68" x 13"		
CPU support	Dual Xeon, Pentium D		
Expansion	7 low-profile expansion slots (SC823MTQ-R700LPB), 4 full-height & 3 low-profile (SC823MTQ-R700UB)		
Peripheral Drives	1 slim DVD-ROM drive, 1 COM & 2 USB ports module		
Drive Bays	SC823MTQ-R700LPB: 3 x 3.5" hot-swap SAS/SATA drive bays w/SES2 SC823MTQ-R700UB: 3 x 3.5" hot-swap SAS/SATA drive bays w/SES2		
Power Supply	700W (1+1) redundant high-efficiency power supply w/I ² C & fan speed control		
Cooling System	4 x 40cm high-performance counter-rotating fans		
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs, system overheat LED & power fail LED		
Front Panel Buttons	Power on/off button & system reset button		
Dimensions	W x H x D: 17.2" (437mm) x 3.5" (89mm) x 17.7" (450mm) Packing: 23.8" x 10" x 29.5"		
Rail	Extendable lengths of 19" to 33"		
Temperature	Operating: 10 - 35° C (50 to 95°F) Non-operating: -40 - 70°C (-40 to 158°F)		
Humidity	Operating: 8 - 90% non-condensing Non-operating: 5 - 95% non-condensing		

● Optimized ● Compatible

Model	MB (Max. 13.68" x 13")					PCI I/O	Drive	Power	+5V	+12V	Gross Weight
	X7	X6	PD+	PD	P8						
SC823MTQ-R700LPB	●	●	●	●	●	7 LP	3 SAS/SATA w/SES2	700W redundant high-efficiency	4	57	35 lbs
SC823MTQ-R700UB (OEM)	●			●		4 FH & 3LP	3 SAS/SATA w/SES2	700W redundant high-efficiency	4	57	35 lbs

SC825MTQ/-U 2U Compact 17.7" Depth

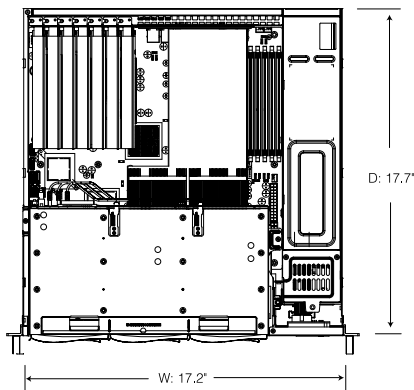
SC825MTQ-R700LPB



Black



SC825MTQ-R700LPB rear view



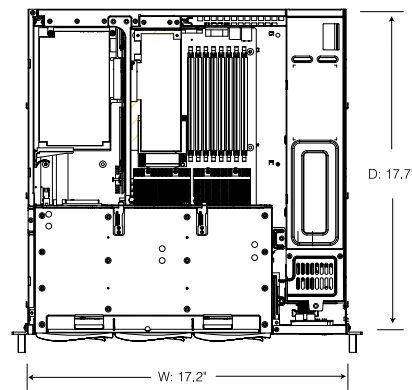
SC825MTQ-R700UB



SC825MTQ-R700UB



SC825MTQ-R700UB rear view



Features

- 700W redundant power supply with high-efficiency power (90% and up)
- 7 low-profile expansion slots, redundant power supply with advanced airflow/thermal-control design
- 4FH/+3LP (SC825MTQ-R700UB)

Specifications

Form Factor	2U chassis support for max. motherboard size - 13.68" x 13"		
CPU support	Dual Xeon, Pentium D		
Expansion	7 low-profile expansion slots (SC825MTQ-R700LPB), 4 full-height & 3 low-profile (SC825MTQ-R700UB)		
Peripheral Drives	1 slim DVD-ROM drive, 1 COM & 2 USB ports module		
Drive Bays	SC825MTQ-R700LPB: 3 x 3.5" hot-swap SAS/SATA drive bays w/SES2 SC825MTQ-R700UB: 3 x 3.5" hot-swap SAS/SATA drive bays w/SES2		
Power Supply	700W (1+1) redundant high-efficiency power supply w/ I ² C & fan speed control		
Cooling System	4 x 40cm high-performance counter-rotating fans		
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs, system overheat LED & power fail LED		
Front Panel Buttons	Power on/off button & system reset button		
Dimensions	W x H x D: 17.2" (437mm) x 3.5" (89mm) x 17.7" (450mm) Packing: 23.8" x 10" x 29.5"		
Rail	Extendable lengths of 19" to 33"		
Temperature	Operating: 10 - 35°C (50 to 95°F)	Non-operating: -40 - 70°C (-40 to 158°F)	
Humidity	Operating: 8 - 90% non-condensing	Non-operating: 5 - 95% non-condensing	

● Optimized ● Compatible ● Optimized low-power configuration ● Compatible low-power configuration

Model	MB (Max. 13.68" x 13")					PCI I/O	Drive	Power	+5V _{SB}	+12V	Gross Weight
	X7	X6	PD+	PD	P8						
SC825MTQ-R700LPB	●	●	●	●	●	7 LP	3 SAS/SATA w/SES2	700W redundant high-efficiency	4	57	35 lbs
SC825MTQ-R700UB	●			●		4 FH & 3LP	3 SAS/SATA w/SES2	700W redundant high-efficiency	4	57	35 lbs

SC835

3U Chassis with 100% Cooling Redundancy

SC835TQ-R800B

Mechanical Drawing

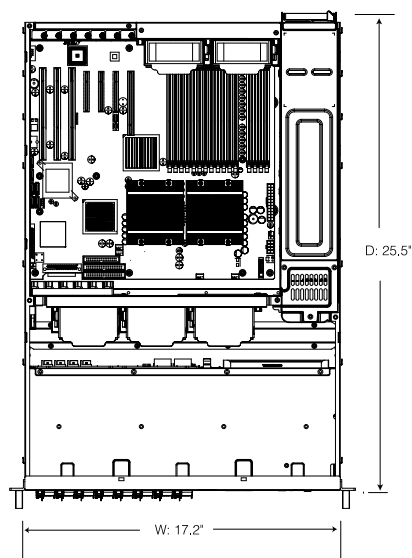
100% cooling redundancy



Beige/Black



Rear view



Features

100% cooling redundancy, supports up to 8 hot-swap SCA/SATA drives, 800W redundant power supply & 5 hot-plug redundant cooling fans

Specifications

Form Factor	3U chassis support for max. motherboard size - 13.68" x 13"		
CPU support	Dual Xeon, Pentium D & Pentium 4		
Expansion	7 expansion slots		
Peripheral Drives	1 fixed hard drive tray or floppy drive option		
Drive Bays	SC835TQ-R800: 8 x 3.5" hot-swap SAS/SATA drive bays with SGPIO & 2 x 5.25" drive bays		
Cooling System	5 x 8cm hot-swap cooling fans & air-shroud		
Front Panel LEDs	Power LED, network activity LED, system overheat LED & power fail LED		
Front Panel Buttons	Power on/off button, system reset button & mute button		
Power supply	1+1 800W redundant power supply w/ I ² C built-in & fan speed control		
Dimensions	W x H x D: 17.2" (437mm) x 5.2" (132mm) x 25.5" (648mm) Packing: 26.6" x 13" x 33.9"		
Rail	Extendable lengths of 28" to 33.67"		
Temperature	Operating: 10 - 35°C (50 to 95°F) Non-operating: -40 - 70°C (-40 to 158° F)		
Humidity	Operating: 8 - 90% non-condensing Non-operating: 5 - 95% non-condensing		

● Optimized ● Compatible ● Optimized low-power configuration ● Compatible low-power configuration

Model	MB (Max. 13.68" x 13")					Drive	Cooling System	Power Supply	+5VSB +12V		Gross Weight
	X7	X6	PD+	PD	P8						
SC835TQ-R800B	●	●	●	●	●	8 SAS/SATA	5 x 8 fans	800W redundant w/I ² C	4	66	75 lbs

SC745-R800/800

High-Efficiency Power Supply

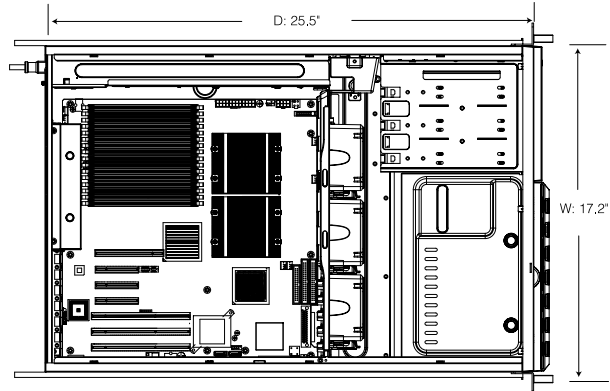
SC745S2/SC745TQ

Mechanical Drawing

100% cooling redundancy



Beige/Black



Features

- ✓ 100% cooling redundancy
- ✓ 800W redundant/800W power supply with high-efficiency power (85% and up*)
- ✓ 8 hot-swap drive bays
- ✓ 90-degree rotatable module
- ✓ 7 tool-less expansion slots

Specifications

Form Factor	4U chassis support for max. motherboard size - 13.68" x 13"		
CPU support	Dual Xeon, Pentium D & Pentium 4		
Expansion	7 tool-less expansion slots		
Peripheral Drives	90-degree rotatable module: 2 USB ports, 2 x 5.25" drive bays & 1 floppy drive bay		
Drive Bays	SC745S2-R800/800: 8 x 3.5" dual-channel (4 + 4) hot-swap SCA drive bays with SAF-TE compliance		
	SC745TQ-R800/800: 8 x 3.5" hot-swap SAS/SATA drive bays with SES2 compliance		
Power supply	SC745S2/SC745TQ-R800: 800W redundant high-efficiency power supply w/I ² C & fan speed control		
	SC745S2/SC745TQ-800: 800W high-efficiency cold-swap power supply w/I ² C & fan speed control		
Cooling System	3 x 8cm hot-swap cooling fans, 2 x 8cm exhaust fans & air shroud		
Front Panel Buttons	Power on/off button & system Reset button		
Front Panel LEDs	Power LED, hard drive activity LED, 2 network activity LEDs, system overheat LED & power fail LED		
Dimensions	W x H x D: 17.2" (434mm) x 7" (178mm) x 25.5" (648mm) Packing: 24.6" x 14" x 31.3"		
Rail (optional)	Extendable length of 26" to 38.25"		
Temperature	Operating: 10 - 35°C (50° to 95°F)	Non-operating: -40 - 70°C (-40° to 158°F)	
Humidity	Operating: 8 - 90% non-condensing	Non-operating: 5 - 95% non-condensing	

● Optimized ● Compatible ● Optimized low-power configuration ● Compatible low-power configuration

Model	MB (Max. 13.68" x 13")						Drive Bays	Cooling System	Power Supply	+5VSB +12V		Gross Weight
	X7	X6	X5	PD+	PD	P8						
SC745S2-R800	●	●	●	●	●	●	8 dual-channel (4+4) SCA w/SAF-TE	5 x 5000rpm fans	800W redundant high-efficiency	4	66	62 lbs
SC745TQ-R800	●	●	●	●	●	●	8 SAS/SATA w/SES2	5 x 5000rpm fans	800W redundant high-efficiency	4	66	62 lbs
SC745S2-800	●	●	●	●	●	●	8 dual-channel (4+4) SCA w/SAF-TE	5 x 5000rpm fans	800W high-efficiency cold-swap	4	66	58 lbs
SC745TQ-800	●	●	●	●	●	●	8 SAS/SATA w/SES2	5 x 5000rpm fans	800W high-efficiency cold-swap	4	66	58 lbs

Optional Kit	Model Part #	Description
Mounting Rails	CSE-PT26(B)	4U Chassis Rail Kit (Includes Side Handles) (B = Black)
Peripheral Drives	FPD-PNSC-02 (01)	Panasonic 3.5" 1.44MB Floppy Drive (01 = Black)

The UIO (Universal I/O) Solution

1U

Up to 3 Add-on Cards High-Efficiency Power Supply

Left slot: 2 PCI-E x8 and 1 UIO Slot

Quad-Core/Dual-Core Xeon 5400/5300/5200/5100 Sequence support

Supermicro SAS RAID 5 UIO card (optional)

IPMI 2.0 with virtual media over LAN,
KVM-over-LAN

4 counter-rotating fans with optimal
fan speed control & air shroud

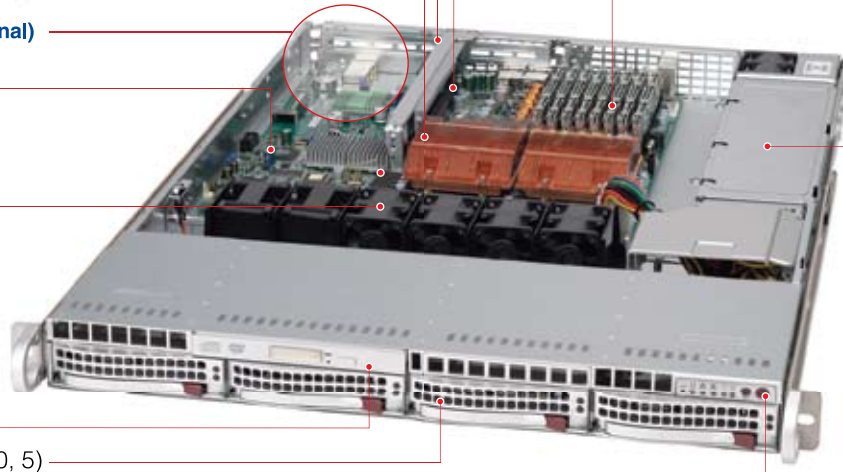
1 slim DVD-ROM drive

4 x 3.5" hot-swap SATA (RAID 0, 1, 10, 5)

Power switch, reset, UID & 6 LED indicators

Right slot: 1 Universal PCI-X 133 or 1 PCI-E x8

32GB ECC FB-DIMM DDRII SDRAM



High-efficiency redundant power supply

SuperServer 6015B-UR

2U

Up to 7 Add-on Cards 700W Redundant High-Efficiency Power Supply

Left slot: 1 Universal I/O (UIO) slot via riser card
3 PCI-E x8 or 3 PCI-X 133 (optional)

Quad-Core/Dual-Core Xeon 5400/5300/5200/5100 Sequence support

Supermicro SAS RAID 5 UIO card (optional)

IPMI 2.0 with virtual media over LAN &
KVM-over-LAN

6 SATA (3 Gbps); RAID 0, 1, 5, 10

3 heavy-duty fans with optimal fan speed
control & air shroud

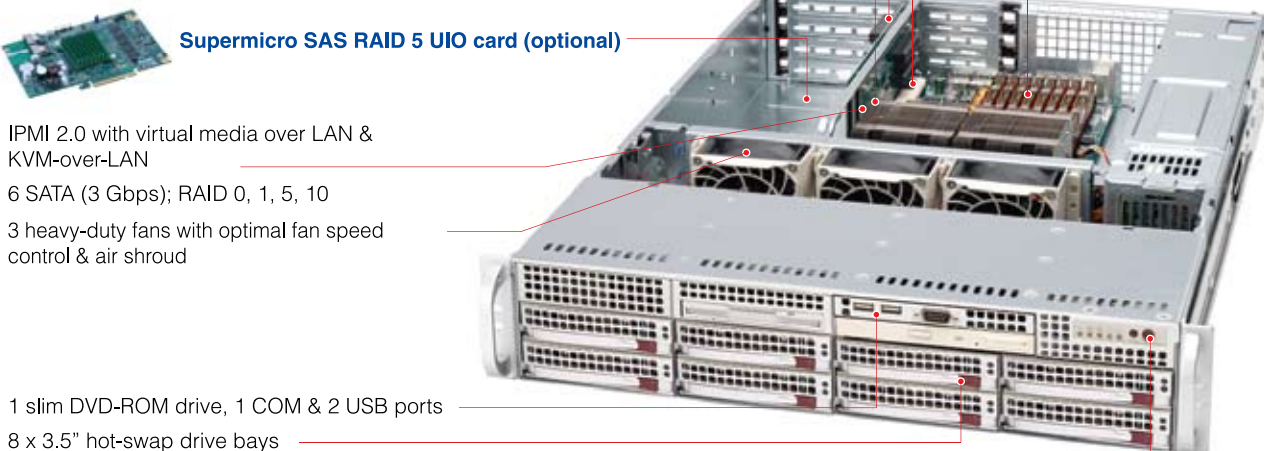
1 slim DVD-ROM drive, 1 COM & 2 USB ports

8 x 3.5" hot-swap drive bays

Power switch, reset & 6 LED indicators

Right slot: 1 Universal PCI-X 133
2 PCI-E x4 (in x8 slot)

32GB ECC FB-DIMM DDRII SDRAM



SuperServer 6025B-UR

We Keep IT Green



UIO (Universal I/O)
3 Add-on Cards in 1U



SuperBlade™
10 Quad Blades in 7U



1UTwin™
2 DP Nodes in 1U

www.supermicro.com

© Super Micro Computer Inc. Specifications subject to change without notice. All other brands and names are the property of their respective owners.
All logos, brand names, campaign statements and product images contained herein are copyrighted and may not be reprinted
and/or reproduced, in whole or in part, without express written permission by Supermicro Corporate Marketing.



93% Power Efficiency
For TCO improvement and
earth-friendly computing